



ICOP 20/20 VISION™

Supervisor Setup Manual

(Part Number 700-00266)

Rev. August, 2011

ICOP
A Safety Vision Company
6100 W. Sam Houston Pkwy. N.
Houston, Texas 77041 USA
Main: 713.896.6600 Toll Free: 800.880.8855
Fax: 713.896.6640
www.ICOP.com
TechSupport@ICOP.com

ICOP 20/20 VISION™ Supervisor Setup Manual

Copyright Notice

Copyright© 2011 Safety Vision, LLC. All rights reserved.

This document may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form without prior consent in writing from Safety Vision, LLC, 6100 W. Sam Houston Pkwy. N., Houston, Texas 77041.

Every effort has been made to ensure the accuracy of this document. However, Safety Vision, LLC makes no warranties with respect to this document and disclaims any implied warranties of merchantability and fitness for a particular purpose. Safety Vision, LLC shall not be liable for any errors or for incidental or consequential damages in connection with the furnishing, performance, or use of this document or the examples herein. The information in this document is subject to change without notice.

Trademarks

ICOP 20/20 VISION™ is a registered trademark exclusively owned and controlled by Safety Vision, LLC, Houston, Texas. All other trademarks are the property of their owners.

Contents

Before You Begin	7
Selecting Display Language	7
System Requirements	8
Power On Setting Switch	9
Ignition Power	10
Manual Power.....	10
FacePlate Overview	11
Powering On the ICOP 20/20 VISION.....	12
ICOP 20/20 VISION Initialization	13
Initialization Screen Contents	13
Logging In as a Supervisor	14
Selecting User Registration Options	16
Setting Auto Login	17
Using Remote Setup	19
Configuring User Access Settings.....	20
Setting the Vehicle ID	21
Changing the Default Supervisor Password	22
Displaying Video Text.....	23
Monitor Display Layout	24
Selecting Metadata Layout.....	24
Setting the Event IDs	26
Reason For Stop ID	27
Race Type ID	28
Configuring the ICOP 20/20 VISION for Wireless Upload	29
Configuring the Wireless 1000g Setting.....	29
Configuring the Wireless Upload Timeout Setting	31
Configuring Wireless Upload	33
Automatically Shutting Down the Computer after Wireless Upload	35
Automatically Shutting Down the Computer after Wireless Timeout.....	36
Enabling Diagnostic Logging	37

SUPERVISOR SETUP MANUAL

Restoring ICOP 20/20 VISION System Defaults	39
Logging Out of Supervisor Setup.....	40
Auxiliary Control Unit.....	41
Starting and Stopping a Recording Using the Auxiliary Control Unit	41
Inserting Marks in Video Recording	41
Contact Information	42
Revision History	43

JUMP START NOTICE

Prior to jump-starting a dead battery, the AM/FM radio fuse and the Accessory fuse that provides power to the DVR must be pulled from the vehicle fuse box. Failure to remove this fuse may cause damage to the ICOP 20/20 VISION and void your warranty.

IMPORTANT

You must shut down the ICOP 20/20 VISION software before removing the USB cable from the MDT. Failure to shut down the software application could result in instability of the Windows operating system.

Note: The software can be quickly shut down by pressing Alt-X when the VISION application is the active window.

BEFORE YOU BEGIN

The information in this document intends to give supervisors a cursory knowledge of the ICOP 20/20 VISION, and the user privileges that can be set. For more information regarding the functionality available with the DVR, please see the **ICOP 20/20 VISION User Manual (Part Number 700-00271)**.

The ICOP 20/20 VISION allows you to connect to a Mobile Data Terminal (MDT) where you can view and use system functionality.

You can navigate the ICOP 20/20 VISION by clicking the keys found on the on screen VISION control, or by pressing the appropriate keys on the MDT keyboard.

The ICOP 20/20 VISION also supports the use of a touch screen when connected to an MDT that contains touch screen monitor functionality. To use ICOP 20/20 VISION functionality on a touch screen, press the keys on the on screen VISION control.

Selecting Display Language

ICOP 20/20 VISION screens can be displayed in three different languages; English, Spanish, and Arabic.

You can select the display language by pressing and holding **CTRL**, then **1**, **2**, and then **3** keys on the MDT keyboard while the unit is powering on.



SYSTEM REQUIREMENTS

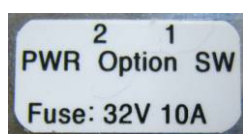
- 32 bit Microsoft Vista or Microsoft XP operating system
- Minimum resolution of (800x600)
- Minimum 1.8 GHz processor
- Minimum 1 GB of RAM for XP or 2 GB of RAM for Vista
- USB 2.0 High-Speed Port

Note: If using a USB hub, the hub must be externally powered and the ports on the hub must be USB 2.0 high-speed ports.

POWER ON SETTING SWITCH

The ICOP 20/20 VISION can be powered on two different ways: using the ignition, or by turning it on manually. To select how the unit is powered on, you must place the power on setting switch in one of two positions.

Note: The Power On Setting Switch can be set only by the installer during initial installation; therefore it cannot be changed by users.



Sticker on back of DVR



Fig. 1



Fig. 1-1



Fig. 1-2

Ignition Power

While viewing the ICOP 20/20 VISION from the front, place the Power On Setting Switch in the left position (position 1) as shown in Fig. 1-1. The ICOP 20/20 VISION powers on automatically when the vehicle ignition is turned on, but can still be powered on manually when the ignition is not turned on.

The ICOP 20/20 VISION has a power-saver mode that turns off the unit when no function is used for the amount of time set in the Poweroff Timeout section of the System screen. This setup overrides the power-saver functionality while the ignition is turned on. When the ignition is turned off, power-saver mode activates after the last function has been performed by the unit.

Note: When a recording is activated, the ICOP 20/20 VISION continues to record even when the ignition is turned off. The recording must stopped for power-saver mode to be activated.

Note: When the ignition is turned off, the key is removed, and the radio is left on, power-saver mode activates and the radio is shuts off after the amount of time set in the Poweroff Timeout section of the System setup elapses after non-usage.

Manual Power

While looking at the ICOP 20/20 VISION from the front, place the switch in the right position (setting 2) as shown in Fig. 1-2. When the Power On Setting Switch is set to manual power, the unit must be manually powered on and off regardless of whether or not the ignition is turned on.

Note: When a recording is activated, the ICOP 20/20 VISION continues to record even when the ignition is turned off. The recording must stopped for power-saver mode to be activated.

Important

Whether the switch is in position 1 or 2, the ICOP 20/20 VISION must be turned off manually. Power-saver functionality takes affect after the last function has been performed by the unit.

FACEPLATE OVERVIEW



Front View of the ICOP 20/20 VISION (Fig. 2)



Power:

Powers the ICOP 20/20 VISION on and off manually. To power off the ICOP 20/20 VISION, press and hold **Power** for three seconds or until you hear a beep, then immediately release the key.

Note: Holding Power for too long, or after the beep sounds resets the ICOP 20/20 VISION.



Eject:

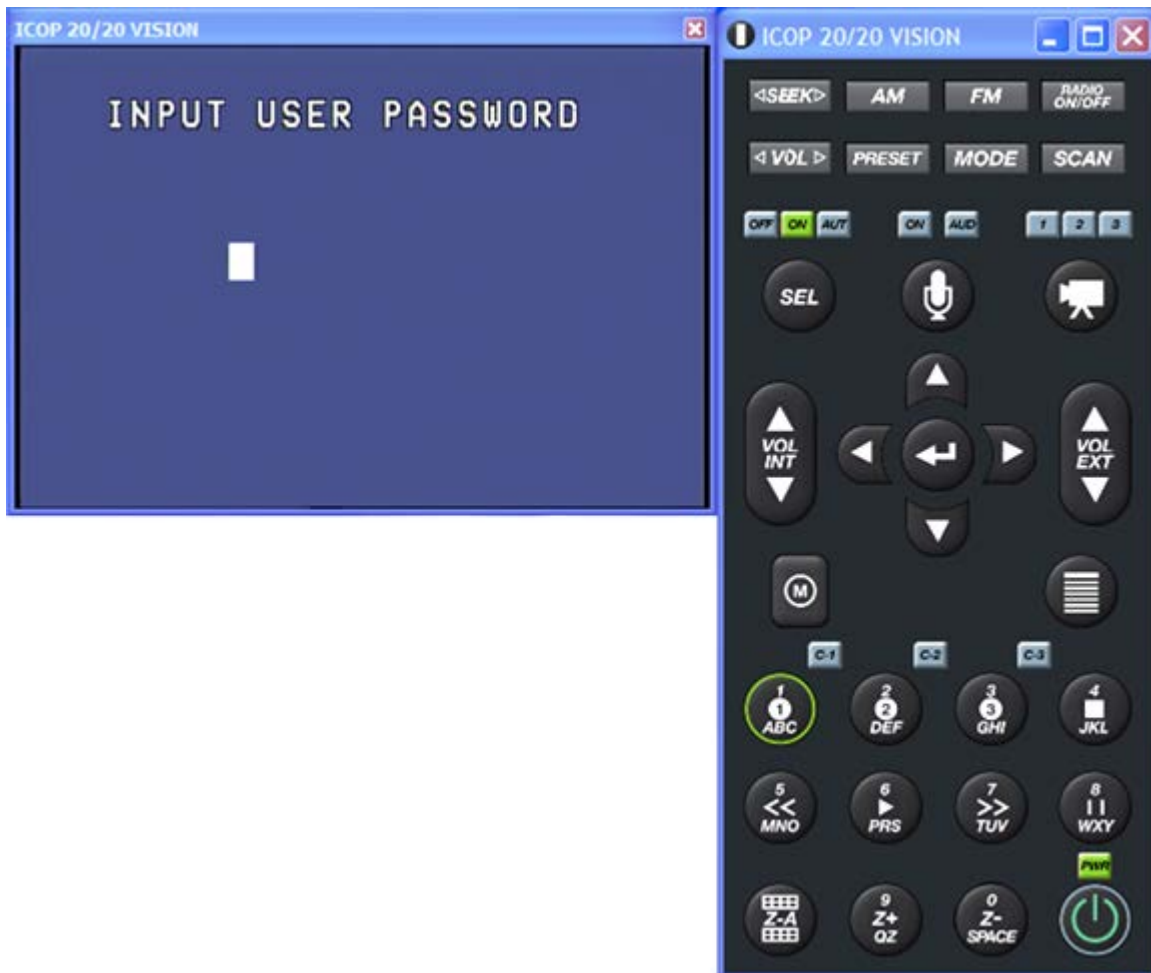
Opens the faceplate and allows you to remove the drive module (DM) from the ICOP 20/20 VISION.

Note: The Eject LED flashes while the unit is recording. Pressing Eject while the unit is recording stops the recording.

POWERING ON THE ICOP 20/20 VISION

To power on the ICOP 20/20 VISION, complete the following steps:

- Step 1** Double-click the ICOP 20/20 VISION icon () found on the desktop or single-click the icon in system tray. The ICOP 20/20 VISION interface appears.



- Step 2** Click Power (). The ICOP 20/20 VISION powers on and initializes.

ICOP 20/20 VISION INITIALIZATION

After the ICOP 20/20 VISION is powered on it goes through an initialization process. During this process the unit locates the last recorded event and searches for a starting point. When a starting point it is found the monitor shows the following information:



Initialization Screen Contents

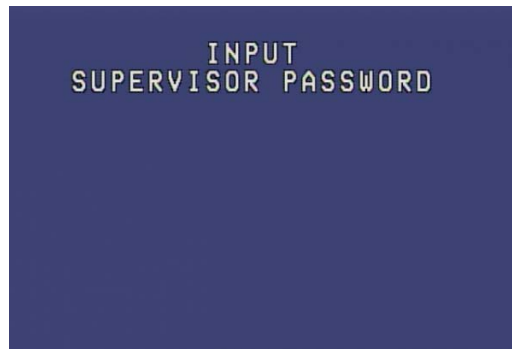
- 13H: Total Accumulated HDDM time of recordings
- 11:29:47: Record time left on the HDDM
- M0140, D0130, F2049: Software version currently in use

LOGGING IN AS A SUPERVISOR

To access the Supervisor Menu, complete the following steps:

Note: You can access the Input User Password screen when the DVR initializes after being powered on; or by opening the Main Menu screen and selecting User Password.

Step 1 On the Input User Password screen, press and hold down the Tilde (~) and F1 keys on the MDT keyboard until a beep is heard and the Input Supervisor Password screen appears.



Step 2 The default Supervisor password is ADMIN. Enter the password using the MDT keyboard or by clicking the alphanumeric keys found near the lower part of the control.

Multiple clicks of the alphanumeric keys change the key value. For example, Record Camera 1 () has values of 1, A, B, and C. The first click displays 1, the second click displays A, the third click displays B, and the fourth click displays C. A click starts the list over once more and displays 1.



Step 3 Click Enter (). The Camera 1 view shows after a correct password is entered.

Step 4 Click Menu (). The Main Menu appears.

Step 5 Use  to scroll to Supervisor Setup and click Enter. The Supervisor Setup screen appears.



SELECTING USER REGISTRATION OPTIONS

User Registration is used to create and maintain up to three individual user passwords and one multiple-user password.

Note: The multiple-user password is an ideal option for agencies that do not assign take home cars to their officers as it allows multiple users to use the same user identification and user password. The multiple-user password allows any user who enters the correct password to operate the ICOP 20/20 VISION™ under the same user permissions that are assigned to User 1, User 2, and User 3.

To configure User Registration setup options, complete the following steps:

Step 1 Use  to scroll to User Registration.



Step 2 Click Enter (). The User Registration screen appears.



Step 3 In the User Registration screen, scroll to **User 1** and click **Enter** to activate the cursor. The cursor blinks to signify that it is active.

Step 4 Using the alphanumeric keys or MDT keyboard; enter up to nine alphanumeric characters for the User ID and Password.

Step 5 Click **Enter** after you have finished entering the User ID and Password. If necessary, repeat steps 3, 4, and 5 for each user.

Setting Auto Login

The IACP “Digital Video Systems Minimum Performance Specifications Document” requires that the recording media be secured using a security mechanism that prevents unauthorized removal of the storage media from the recorder. In most cases, this is implemented in the ICOP 20/20 VISION by requiring a valid, Supervisor-configured password to be entered to gain access to the Remove Hard Disk Drive command. However, it is recognized that the physical security of the vehicle may be relied upon, and that the availability of the DVR to record an event outweighs the need to require a password to be entered to activate the DVR.

ICOP recommends that you configure the ICOP 20/20 VISION to require that users enter passwords to obtain access; however, ICOP recognizes that departmental policies and procedures may be implemented to allow Auto Login functionality to be utilized.

Auto Login allows users to initialize the ICOP 20/20 VISION and automatically have it in an operational status without having to enter a password.

To set Auto Login, complete the following steps:

- Step 1** In the Supervisor Setup screen; use  to scroll to **User Registration**.



- Step 2** Click Enter (). The User Registration screen appears.



Step 3 In the User Registration screen, set the User ID to the desired value. For example, set the User ID for the user who has exclusive use of the vehicle, or an identifier that shows the video is recorded by the ICOP 20/20 VISION in Auto Login mode. For example, Autolog or the vehicle ID.

Step 4 Click **Enter**.

Step 5 Set any of the User ID Passwords to AUTO, and click **Enter**.

Note: If the Multi-User Password is set to Auto, the ICOP 20/20 VISION automatically initializes to the Set Officer ID Screen where users can enter their Officer ID.

Step 6 Use  to scroll to **Save**, and click **Enter**. The settings you configured are saved.

Step 7 Power off the ICOP 20/20 VISION and ensure that after the unit reboots and initializes. The user is automatically logged in without having to enter a password.

USING REMOTE SETUP

The ICOP Model 20/20®-W DVR Setting Tool can be used to quickly configure an entire fleet of vehicles.

Note: You must be connected to an MDT that contains the DVR Setting Tool software to use remote setup.

To connect to the DVR Setting Tool, select Remote Setup in the Supervisor Setup screen.



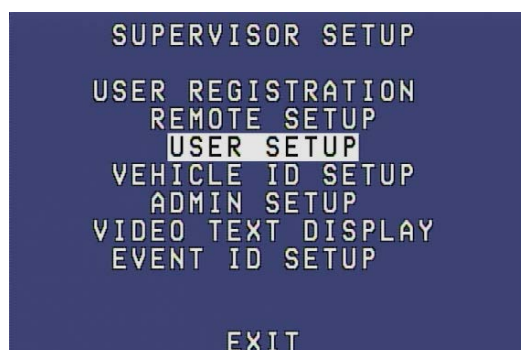
For more information on utilizing a laptop to configure and manage the Setup Menus of the ICOP 20/20 VISION, please see the **ICOP Model 20/20-W DVR Setting Tool User Manual (Part Number 700-00230)**.

CONFIGURING USER ACCESS SETTINGS

Within the User Setup screens you can select the amount of access users may have for certain settings found on the ICOP 20/20 VISION.

To define user settings, complete the following steps:

Step 1 Use  to scroll to **User Setup**.



Step 2 Click Enter (). The **User Setup** screen appears.



Step 3 Use  to scroll to the setting you want to define.

Step 4 Click Enter.

Step 5 Use  to toggle between Yes (Y) and No (N).

Selecting Y gives users the ability to change the setting that is selected.

Selecting N means that users have the ability to see the setting, but do not have the ability to change the setting.

Note: Only Supervisors can make changes to settings that have been defined as N.

SETTING THE VEHICLE ID

The Vehicle ID displays during recording and play back, and shows which vehicle recorded the video.

To set the Vehicle ID, complete the following steps:

Step 1 Use  to scroll to **Vehicle ID Setup**.



Step 2 Click **Enter** (). The **Vehicle ID Setup** screen appears.



Step 3 Using the MDT keyboard or the alphanumeric keypad, enter the Vehicle ID.

The Vehicle ID can be up to 10 alphanumeric characters long.

CHANGING THE DEFAULT SUPERVISOR PASSWORD

The default Supervisor password (ADMIN) can be changed to any alphanumeric password of your choosing (up to 10 characters long.)

To change the Supervisor password, complete the following steps:

Step 1 Use  to scroll to **Admin Setup**.



Step 2 Click **Enter** (). The **Admin Setup** screen appears.



Step 3 Using the MDT keyboard or the alphanumeric keypad, type the new password.

The password can be up to 10 alphanumeric characters long.

DISPLAYING VIDEO TEXT

You can determine what text displays in the video while it is recording and during play back. There are six different layouts that position video text in specific areas of the monitor.

To determine what text displays in the video, complete the following steps:

Step 1 Use  to scroll to **Video Text Display**.



Step 2 Click Enter (). The **Video Text Display** screen appears.

Step 3 Use  to scroll to the setting you want to define.

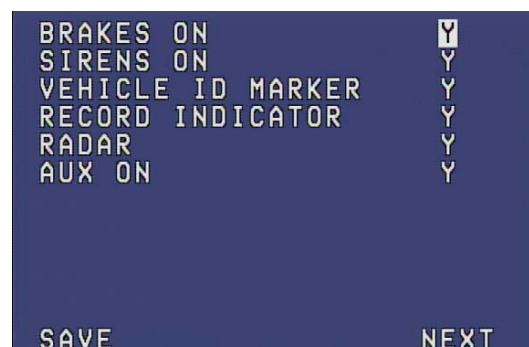
Step 4 Click Enter.

Step 5 Use  to toggle between Yes (Y) and No (N).

Selecting Y allows the selected setting to display in the video.

Selecting N disables the selected setting from displaying in the video.

Note: Only Supervisors can make changes to settings that have been defined as N.



MONITOR DISPLAY LAYOUT

The monitor display shows event Information metadata. There are six different ways that metadata can display.



Selecting Metadata Layout

You can determine how Metadata displays in the video by selecting one of the six different layout displays found under Display Layout in the Video Text Display screen.

To select a Metadata layout, complete the following steps:

Step 1 Use  to toggle between the different Metadata layout options.



Step 2 Select one of the following Metadata layouts:

```

T 0L 0P 0S 0m    VIEW 1
VID:             OID:
I E L S B A123    HDD

                        L N M
                        D S T
S 0° 0.00        13:31:19
W 0° 0.00        10/18/08
    
```

Layout 1

```

S 0° 0.00        13:31:19
W 0° 0.00        03/18/07
                        D S T
                        HDD

                        L N M
I E L S B A123
VID:             OID:
T 0L 0P 0S 0m    VIEW 1
    
```

Layout 2

```

VIEW 1          T 0L 0P 0S 0m
VID:             OID:
I E L S B A123    HDD

                        L N M
D S T
13:31:19        S 0° 0.00
03/18/07        W 0° 0.00
    
```

Layout 3

```

VIEW 1          T 0L 0P 0S 0m
VID:             OID:
I E L S B A123    HDD

                        L N M
                        D S T
S 0° 0.00        13:31:19
W 0° 0.00        03/18/07
    
```

Layout 4

```

T 0L 0P 0S 0m    VIEW 1
VID:             OID:
I E L S B A123    HDD

                        L N M
D S T
13:31:19        S 0° 0.00
03/18/07        W 0° 0.00
    
```

Layout 5

```

03/18/07        S 0° 0.00
13:31:19        W 0° 0.00
D S T            HDD

                        L N M
I E L S B A123
VID:             OID:
VIEW 1          T 0L 0P 0S 0m
    
```

Layout 6

Step 3 Click Enter (↵).

SETTING THE EVENT IDS

You can customize Event ID options based off of the terminology your agency utilizes.

To setup the Event ID, complete the following steps:

Step 1 Use  to scroll to Event ID Setup.



Step 2 Click Enter (). The Event ID Setup screen appears.

Note: A zero (0) is the default code that is given for Reason for Stop, Gender, and Race if an Event Code, Reason for Stop, Gender, and Race is not entered by the user directly after a video is recorded.



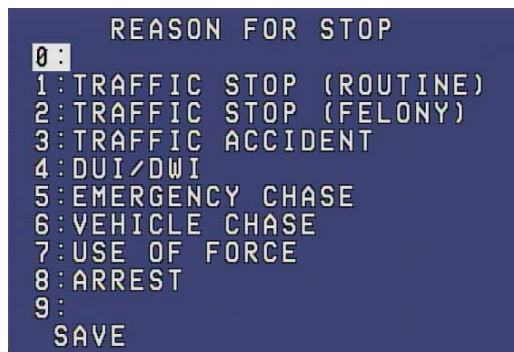
Reason For Stop ID

To setup or edit the Reason for Stop ID, complete the following steps:

Step 1 Use  to scroll to Reason for Stop.



Step 2 Click Enter (). The Reason for Stop ID screen appears.



Step 3 Scroll to the Reason for Stop ID that you want to setup or edit, and click Enter.

Step 4 Using the MDT keyboard or the alphanumeric keypad, type the new code over the existing code and click Enter.

Note: You can enter up to ten different Reason for Stop IDs.

Each Reason for Stop ID can contain a maximum of 22 alphanumeric characters.

Repeat this process until you have entered the desired amount of Reason for Stop Event IDs.

Note: ICOP recommends that you set up the entire fleet of vehicles with the exact same Reason for Stop IDs.

Race Type ID

To setup or edit the Race Type ID, complete the following steps:

Step 1 Use  to scroll to **Race**.



Step 2 Click **Enter** (). The **Race ID** screen appears.



Step 3 Scroll to the **Race ID** that you want to setup or edit, and click **Enter**.

Step 4 Using the MDT keyboard or alphanumeric keypad, type the new code over the existing code and click **Enter**.

Repeat this process until you have entered the desired amount of Race IDs.

CONFIGURING THE ICOP 20/20 VISION FOR WIRELESS UPLOAD

To upload videos wirelessly you must first configure the ICOP 20/20 VISION.

Note: If using the MDT as a video upload controller instead of the ICOP WC-2000, you must have a network connection. Options include:

- Built-in Wi-Fi
- External bridge
- Wired Ethernet
- Wi-Fi adapter (air card)

Note: The Wireless Upload USB cable must be connected from the USB Connector on the rear of the DVR to the MDT for wireless video upload to be performed.

Configuring the Wireless 1000g Setting

To configure the ICOP 20/20 VISION wireless uploads, the Wireless 1000g setting must be set to YES. To configure the Wireless 1000g setting, complete the following steps:

Step 1 Log in to the ICOP 20/20 VISION as a Supervisor.

Step 2 Click **Menu**. The **Main Menu** screen appears.



Step 3 Use  to scroll to **Setup**.

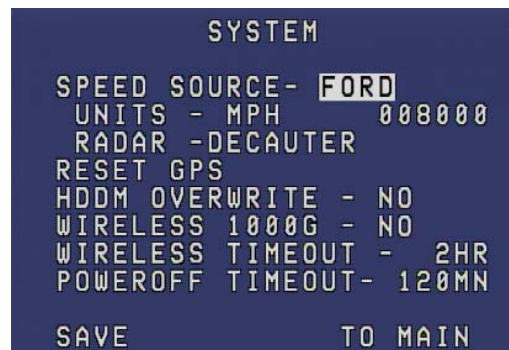


Step 4 Click **Enter**. The **Setup** screen appears.

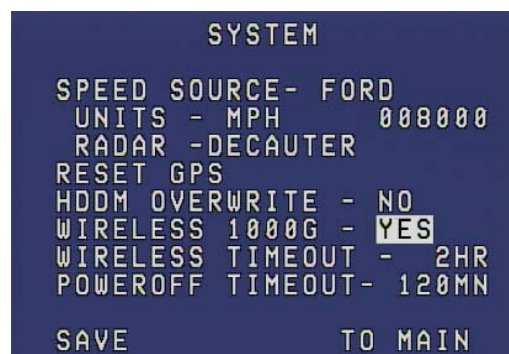


Step 5 Use  to scroll to **System**.

Step 6 Click **Enter**. The **System** screen appears.



Step 7 In the System screen, scroll to **Wireless 1000G** and click **Enter** to activate the cursor. The cursor blinks to signify that it is active.



Step 8 Use  to set the Wireless 1000g setting to **YES**, and click **Enter**.

Step 9 Use  to scroll to **Save** and click **Enter** to save the System settings.

Configuring the Wireless Upload Timeout Setting

The Wireless Upload Timeout setting allows you to specify the maximum number of hours that the ICOP 20/20 VISION spends to upload videos before automatically shutting down. Shutting down the DVR after a certain amount of time elapses ensures that the battery does not drain during extended upload times.

Note: When the time threshold is reached during upload, the ICOP 20/20 VISION shuts down, even if video remains on the HDDM. To continue uploading, start the upload process again, or directly upload the HDDM using the Docking Station.

To configure the ICOP 20/20 VISION Wireless Upload setting, complete the following steps:

Step 1 Click **Menu**. The **Main Menu** screen appears.



Step 2 Use  to scroll to **Setup**.

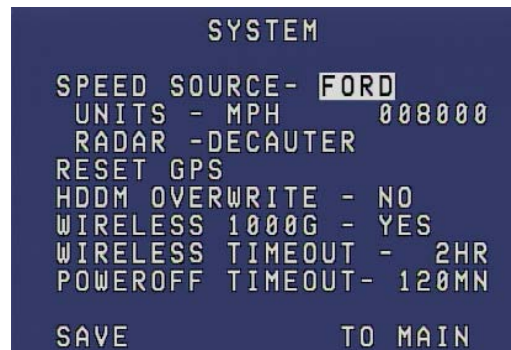


Step 3 Click **Enter**. The **Setup** screen appears.

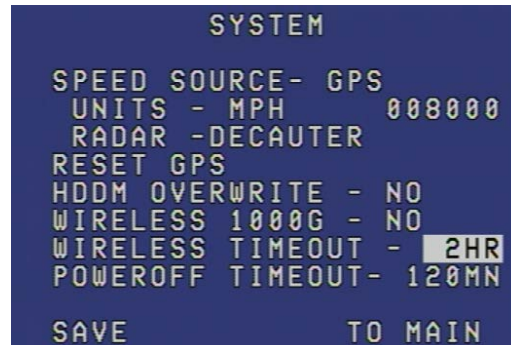


Step 4 Use  to scroll to **System**.

Step 5 Click **Enter**. The **System** screen appears.



Step 6 In the System screen, scroll to **Wireless Timeout** and click **Enter** to activate the cursor. The cursor blinks to signify that it is active.



Step 7 Use  to set the **Wireless Timeout** setting to the desired number of hours. You can set the Wireless Timeout setting between two and 16 hours.

Note: The default Wireless Timeout setting is two hours.

Step 8 Use  to scroll to **Save** and click **Enter** to save the System settings.

Configuring Wireless Upload

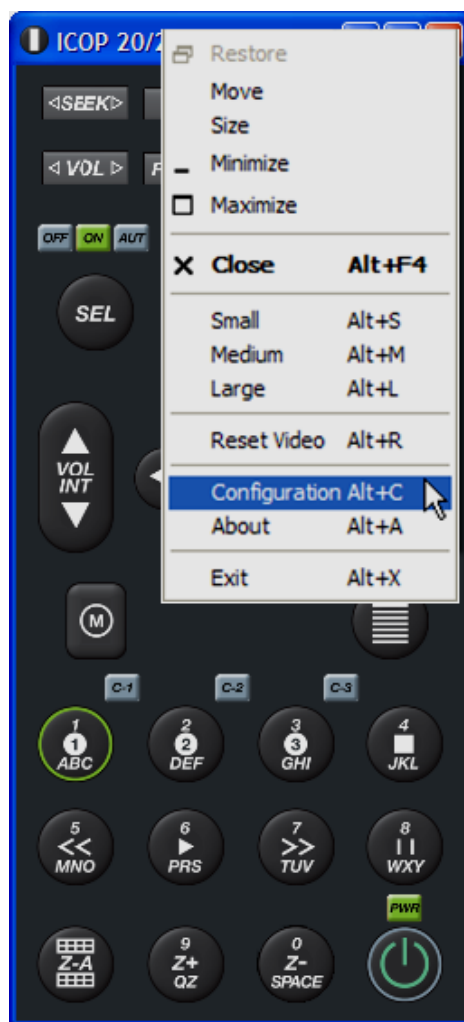
The Enable Uploading option allows you to wirelessly upload video from the ICOP 20/20 VISION.

Note: The Wireless Upload USB cable must be connected from the Wireless Upload Controller on the rear of the DVR to the MDT for wireless video upload to be performed.

To configure the Enable Uploading option, complete the following steps:

Step 1 Right-click within the title bar of the control.

Step 2 Select **Configuration** from the list. The ICOP 20/20 VISION Configuration dialog appears.



The screenshot shows a configuration window with a dark background. At the top, there are four checked checkboxes: 'Show Radio Controls', 'Lock Windows Together', 'Full Screen Mode Controls on the Right', and 'Enable Audio'. Below these is a section titled 'Uploading' which is currently collapsed. The 'Uploading' section contains an unchecked checkbox for 'Enable Uploading'. Below this checkbox are three text input fields: 'Server Address' with the value 'icop-server', 'Server Start Port' with the value '32032', and 'Number of Ports' with the value '10'. Below the input fields is an unchecked checkbox for 'Shut down computer automatically'. Under this checkbox are two checked checkboxes: 'Shut down computer after upload completes' and 'Shut down computer' followed by a dropdown menu showing '1 hour' and the text 'after upload starts'. At the bottom of the 'Uploading' section is an unchecked checkbox for 'Enable diagnostic logging (decreases performance)' with a link below it that says 'Click to [view log](#) or [show containing folder](#)'. At the bottom of the window are 'Ok' and 'Cancel' buttons.

Step 3 Select the **Enable Uploading** checkbox. The **Uploading** section activates.

This screenshot is similar to the previous one, but the 'Enable Uploading' checkbox is now checked. The 'Uploading' section is expanded, showing the same input fields and options as before. The 'Shut down computer automatically' checkbox remains unchecked, and the 'Shut down computer after upload completes' and 'Shut down computer' options remain checked.

Step4 Type the server address (IP address or hostname) in the **Server Address** box.

Note: The ICOP 20/20 VISION server address must point to a DVMS server running PC Loader, or an ICOP iVAULT server running Evidence Loader.

Step 5 Type the server start port in the **Server Start Port** box. The default server start port is the TCP port number that PC Loader and Evidence Loader use for TCP communications. The default server start port is 32032.

Step 6 Type the number of ports in the Number of Ports box. The default number of TCP ports available for uploading is 10.

Note: Unless directed otherwise, ICOP recommends having the server start port set to 32032, and the number of ports set to a maximum of 10 ports.

Step 7 Click **OK** to save the server settings.

Automatically Shutting Down the Computer after Wireless Upload

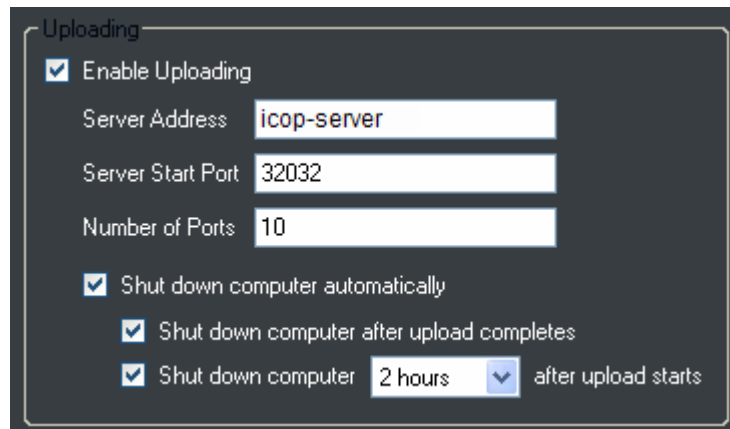
The Shut Down Computer Automatically option allows you to shut down the computer after completing a wireless upload.

To automatically shut down the computer after wireless upload, complete the following steps:

Step 1 Select the **Shut down computer automatically** checkbox.

Step 2 Select the **Shut down computer after upload completes** checkbox.

Note: After completing a wireless upload, both the computer and DVR will shut down.



The screenshot shows a configuration window titled "Uploading". It contains the following settings:

- ☒ Enable Uploading
- Server Address:
- Server Start Port:
- Number of Ports:
- ☒ Shut down computer automatically
 - ☒ Shut down computer after upload completes
 - ☒ Shut down computer after upload starts

Automatically Shutting Down the Computer after Wireless Timeout

The Shut Down Computer Automatically option allows you to shut down the computer after a certain amount of time elapses after starting the wireless upload process. Shutting down the computer after a certain amount of time elapses ensures that the battery does not drain during extended upload times.

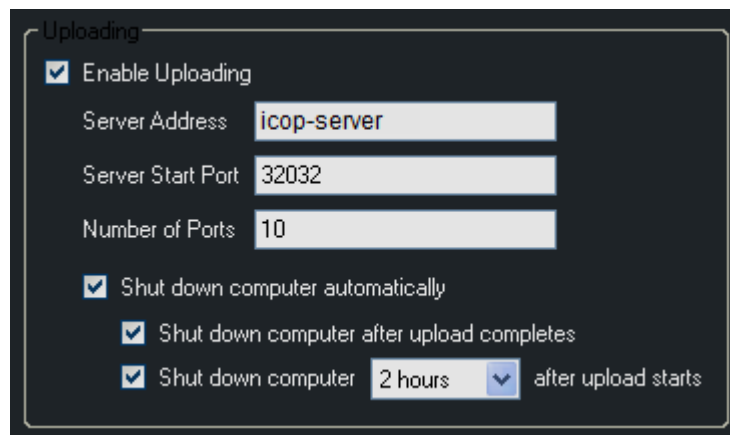
Note: When the time threshold is reached during upload, the computer and DVR will shut down even if video remains on the HDDM.

To automatically shut down the computer after a certain amount of time elapses during wireless upload, complete the following steps:

Step 1 Select the **Shut down computer automatically** checkbox.

Step 2 Select the **Shut down computer 'X hour' after upload starts** checkbox to shut down the computer after the selected amount of time elapses.

Note: You can select a shut down time between one hour and 16 hours. The default shut down time is two hours.



The screenshot shows a configuration window titled "Uploading" with a dark background. It contains several settings:

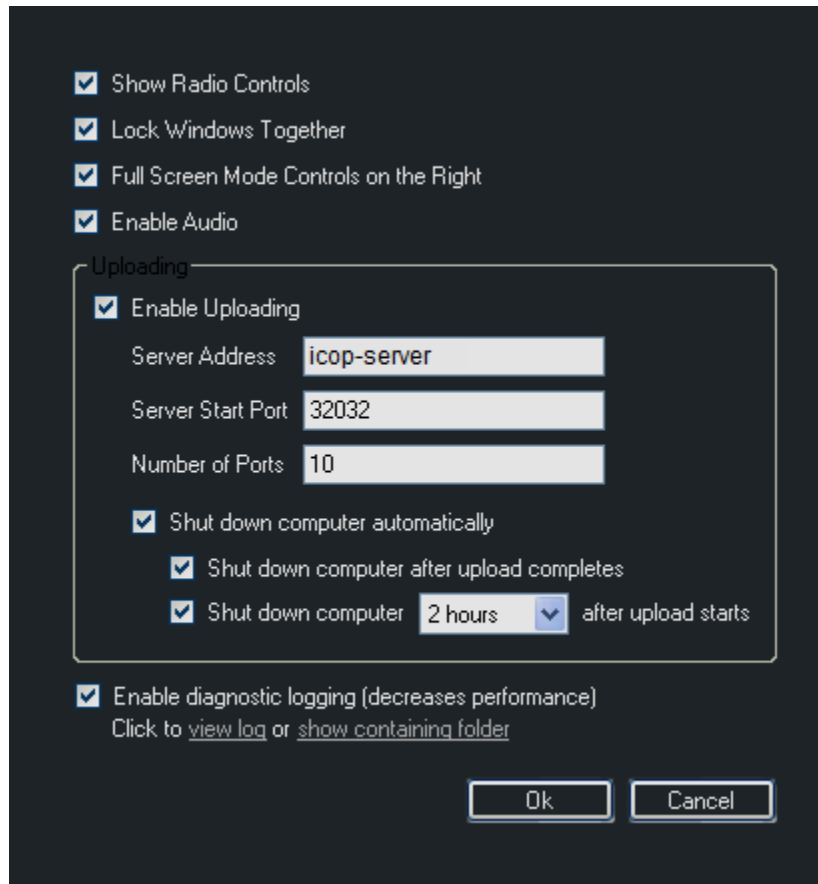
- ☒ Enable Uploading
- Server Address:
- Server Start Port:
- Number of Ports:
- ☒ Shut down computer automatically
 - ☒ Shut down computer after upload completes
 - ☒ Shut down computer after upload starts

Enabling Diagnostic Logging

The Enable diagnostic logging option allows you to log each step the ICOP 20/20 VISION performs.

To enable diagnostic logging, complete the following steps:

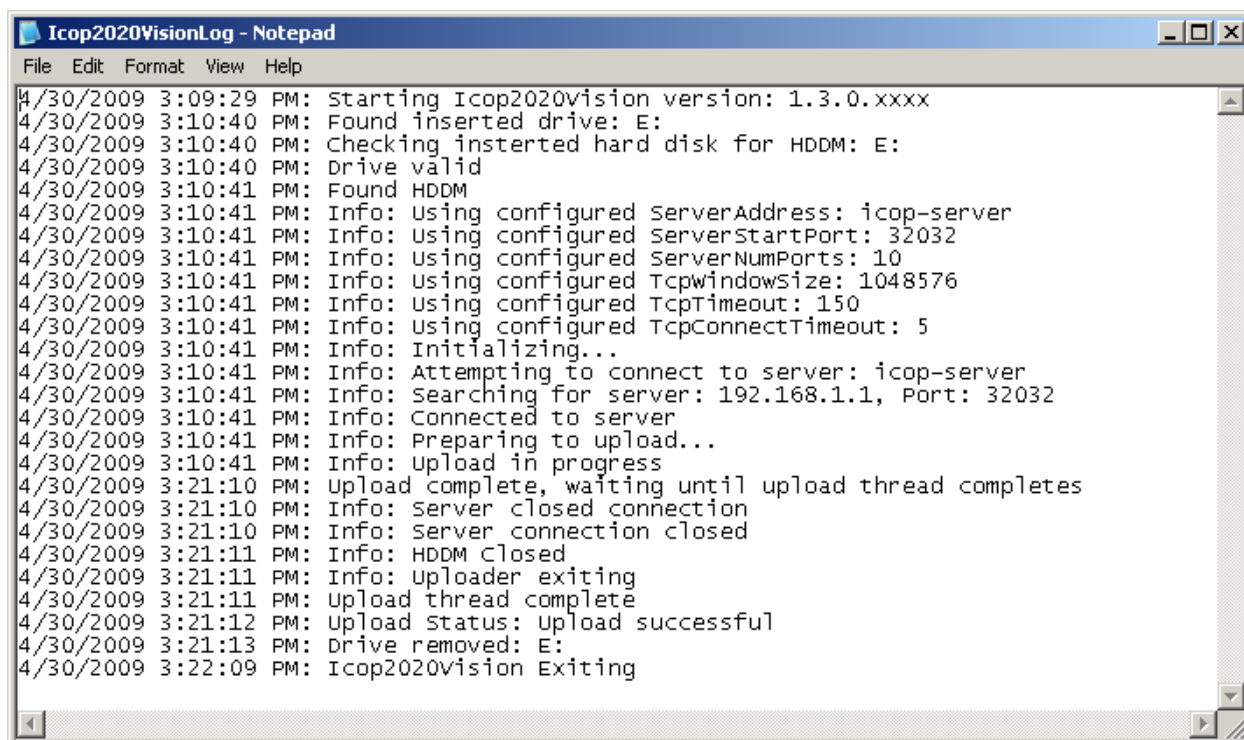
- Step 1** Select the **Enable diagnostic logging** checkbox at the bottom of the ICOP 20/20 VISION Configuration dialog.



- Step 2** Click **view log** to open the ICOP 20/20 VISION log, or click **show containing folder** to select the file within Windows Explorer.

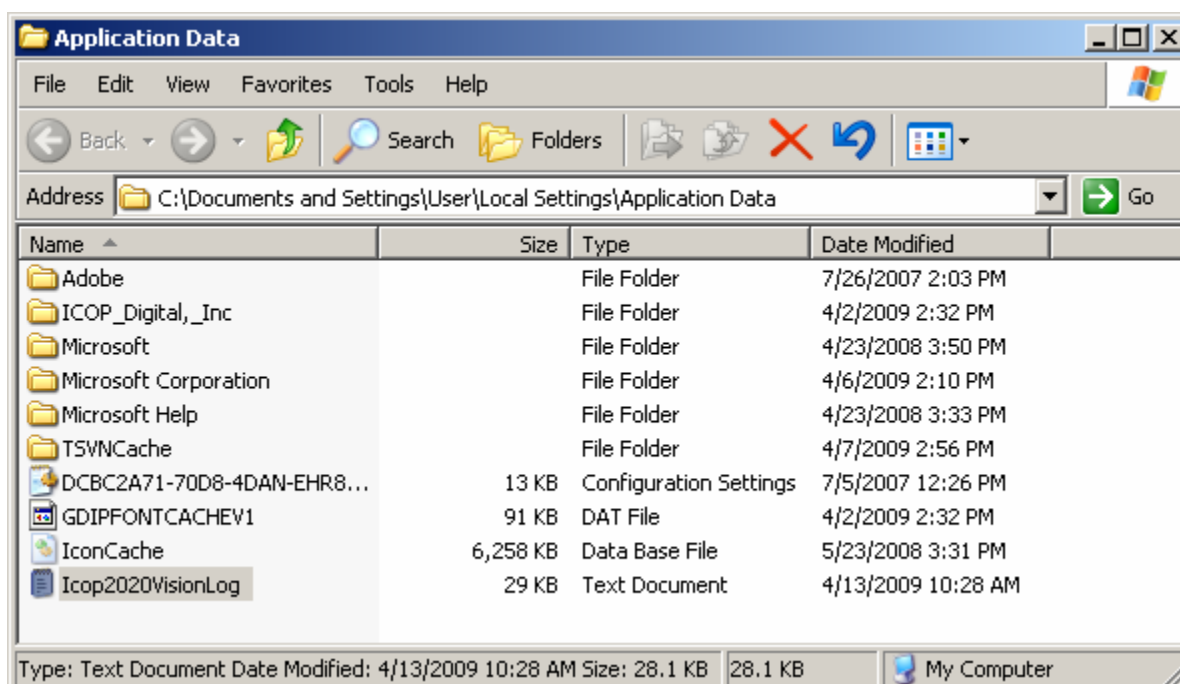
Note: Clicking view log opens the log file in the Windows associated program for viewing .txt (text) files. The default program for viewing logs is Notepad.

The following window appears when you click **view log**:



```
4/30/2009 3:09:29 PM: Starting Icop2020vision version: 1.3.0.xxxx
4/30/2009 3:10:40 PM: Found inserted drive: E:
4/30/2009 3:10:40 PM: Checking insterted hard disk for HDDM: E:
4/30/2009 3:10:40 PM: Drive valid
4/30/2009 3:10:41 PM: Found HDDM
4/30/2009 3:10:41 PM: Info: Using configured ServerAddress: icop-server
4/30/2009 3:10:41 PM: Info: Using configured ServerStartPort: 32032
4/30/2009 3:10:41 PM: Info: Using configured ServerNumPorts: 10
4/30/2009 3:10:41 PM: Info: Using configured TcpwindowSize: 1048576
4/30/2009 3:10:41 PM: Info: Using configured TcpTimeout: 150
4/30/2009 3:10:41 PM: Info: Using configured TcpConnectTimeout: 5
4/30/2009 3:10:41 PM: Info: Initializing...
4/30/2009 3:10:41 PM: Info: Attempting to connect to server: icop-server
4/30/2009 3:10:41 PM: Info: Searching for server: 192.168.1.1, Port: 32032
4/30/2009 3:10:41 PM: Info: Connected to server
4/30/2009 3:10:41 PM: Info: Preparing to upload...
4/30/2009 3:10:41 PM: Info: Upload in progress
4/30/2009 3:21:10 PM: Upload complete, waiting until upload thread completes
4/30/2009 3:21:10 PM: Info: Server closed connection
4/30/2009 3:21:10 PM: Info: Server connection closed
4/30/2009 3:21:11 PM: Info: HDDM closed
4/30/2009 3:21:11 PM: Info: Uploader exiting
4/30/2009 3:21:11 PM: Upload thread complete
4/30/2009 3:21:12 PM: Upload Status: Upload successful
4/30/2009 3:21:13 PM: Drive removed: E:
4/30/2009 3:22:09 PM: Icop2020Vision Exiting
```

The following window appears when you click **show containing folder**:



RESTORING ICOP 20/20 VISION SYSTEM DEFAULTS

ICOP 20/20 VISION parameters can be reset to the original default settings by pressing and holding the **CTRL**, **7**, and **8** keys on the MDT keyboard while the unit is powering on.

LOGGING OUT OF SUPERVISOR SETUP

After completing ICOP 20/20 VISION Supervisor setup, ensure that you log out.

To log out of Supervisor Setup, complete the following steps:

Step 1 In the Main Menu; use  to scroll to **Supervisor Exit**.



Step 2 Click Enter ().

After successfully logging off, the ICOP 20/20 VISION requires password entry and verification for the next Supervisor log on.

AUXILIARY CONTROL UNIT



Front View of the Auxiliary Control Unit (Fig. 3)

The optional ICOP 20/20 VISION Auxiliary Control Unit (ACU) (Part Number 600-00154) can be used to control the unit in situations when the MDT is not correctly functioning. The ACU allows you to start and stop video recording and insert Marks while video is recording.

Note: The ACU must be set up using AUX 2 and AUX 3 trigger inputs. The DVR must have the AUX 2 trigger set to ON and the AUX 3 trigger set to STP to start, stop, and Mark video.

Starting and Stopping a Recording Using the Auxiliary Control Unit

To start a recording, ensure that the green Power (PWR) LED is illuminated and press **REC**. The red REC LED illuminates to notify you that video is being recorded.

To stop a recording, press **PWR**. The red REC LED turns off to notify you that video is no longer being recorded.

Inserting Marks in Video Recording

To insert a mark in a video recording, you must first start a recording. After the red REC LED illuminates, each press of the **REC** button adds marks to the video being recorded.

CONTACT INFORMATION

ICOP

A Safety Vision Company

Technical Support

6100 W. Sam Houston Pkwy. N.

Houston, TX 77041

TechSupport@icop.com

Main: 713.896.6600 Toll Free: 800.880.8855

NOTES: _____

REVISION HISTORY

Revision Number:	Effective Date:	Description:
001	January 29, 2009	Initial Revision.
002	April 24, 2009	Updated formatting, style, references to the VAA, and added new faceplate images.
003	May 14, 2009	Updated Wireless Uploading sections.
004	February 11, 2010	Updated according to 0140 firmware update.
005	August, 2011	Logos and addresses updated to reflect Safety Vision, verbiage addressed.